



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Timothy B. Cowles, et al.

Serial No.: 09/864,682

Filed: May 24, 2001

For: CIRCUIT AND METHOD FOR TIME-EFFICIENT  
MEMORY REPAIR (as amended)

§ Group Art Unit: 2133

§ Examiner: David Ton

§ Atty. Docket: 2000-0058.01

§ Paper No.

**RECEIVED**

OCT 27 2004

Technology Center 2100

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INFORMATION DISCLOSURE STATEMENT

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Certificate of Mailing (37 C.F.R. § 1.8)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.

10/19/04  
Date

Susan J. Brown  
Signature

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants respectfully request that this Information Disclosure Statement be entered and that the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Per the amendment to 37 CFR 1.98, copies of the cited U.S. patents and published U.S. patent applications are not enclosed.

In accordance with 37 C.F.R. § 1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possible material information as defined in 37 C.F.R. § 1.56(a) exists.

The following references are disclosed for the Examiner's review:

U.S. Patents

<u>U.S. Patent No.</u>	<u>Issue Date</u>	<u>Inventor</u>
2001/0017806 A1	08/30/01	Schamberger, et al.
6,550,023	04/15/03	Brauch, et al.
6,320,804	11/20/01	Dahn
6,259,639	07/10/01	Hashizume
5,946,245	08/31/99	Brown, et al.

This Information Disclosure Statement is being submitted after the mailing of the first Office Action, but before the mailing of a Final Rejection or Notice of Allowance. The Commissioner is authorized to charge the fee set forth in 37 C.F.R § 1.17(p) of \$180 and any additional fees which may be required to Micron Technology Inc. Deposit Account No.13-3092, Order No. 2000-0058.01.

If there are any matters which may be resolved or clarified through telephone interview, the Examiner is respectfully requested to contact Applicants' undersigned attorney at the number indicated.

\* \* \* \*

A Form PTO-1449 is enclosed herewith.

Respectfully submitted,

*Charles Brantley*

Date: 10/19/04

Charles Brantley  
Reg. No. 38,086  
Micron Technology, Inc.  
8000 S. Federal Way  
MS 1-525  
Boise, ID 83706-9632  
(208) 368-4557  
ATTORNEY FOR APPLICANTS



Sheet: 1 of: 1

FORM: PTO-1449 (REV: 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty Docket No: <b>2000-0058.01</b>	Serial No: <b>09/864,682</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (37 CFR 1.98(b))		Applicant: <b>Timothy B. Cowles, et al.</b>	
		Filing Date: <b>May 24, 2001</b>	Group: <b>2133</b>

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	
AA	2001/0017806 A1	08/30/01	Schamberger, et al.	365	202	
AB	6,550,023	04/15/03	Brauch, et al.	714	42	
AC	6,320,804	11/20/01	Dahn	365	201	
AD	6,259,639	07/10/01	Hashizume	365	201	
AE	5,946,245	08/31/99	Brown, et al.	365	201	
AF						
AG						
AH						
AI						
AJ						
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AM						
AN						

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**OCT 27 2004**

**Technology Center 2100**

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
AO						<input type="checkbox"/>	<input type="checkbox"/>
AP						<input type="checkbox"/>	<input type="checkbox"/>
AQ						<input type="checkbox"/>	<input type="checkbox"/>

Initial

**OTHER ART** (including author, title, date, pertinent pages, etc.)

AR			
AS			
AT			

Examiner:	Date Considered:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

O I P E J C  
OCT 22 2004  
U.S. PATENT & TRADEMARK OFFICE

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)  
**180**

Complete if Known

Application Number	09/864,682	RECEIVED
Filing Date	May 24, 2001	OCT 27 2004
First Named Inventor	Timothy B. Cowles, et al.	
Examiner Name	David Ton	
Art Unit	2133	Technology Center 2100
Attorney Docket No.	2000-0058.01	

## METHOD OF PAYMENT (check all that apply)

 Check    Credit card    Money    Other    None  
Order
 Deposit Account:

Deposit Account Number	13-3092, Order No. 2000-0058.01
Deposit Account Name	Micron Technology, Inc.

## The Director is authorized to: (check all that apply)

- 
- Charge fee(s) indicated below
- 
- Credit any overpayments
- 
- 
- Charge any additional fee(s) or any underpayment of fee(s)
- 
- 
- Charge fee(s) indicated below, except for the filing fee
- 
- to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1001	790	2001	395
1002	350	2002	175
1003	550	2003	275
1004	790	2004	395
1005	160	2005	80
SUBTOTAL (1)		(\$) 0	

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	77	-108 **	= 0	X	Fee from below	= 0	Fee Paid
Independent Claims	18	-24 **	= 0	X		= 0	
Multiple Dependent				X		= 0	

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1202	18	2202	9
1201	88	2201	44
1203	300	2203	150
1204	88	2204	44
1205	18	2205	9
SUBTOTAL (2)		(\$) 0	

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	430	2252	215
1253	980	2253	490
1254	1,530	2254	765
1255	2,080	2255	1,040
1401	340	2401	170
1402	340	2402	170
1403	300	2403	150
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,370	2453	685
1501	1,370	2501	685
1502	490	2502	245
1503	660	2503	330
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	790	2809	395
1810	790	2810	395
1801	790	2801	395
1802	900	1802	900
Other fee (specify) _____		SUBTOTAL (3)	

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
180

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Charles Brantley	Registration No. (Attorney/Agent)	38,086	Telephone	368-4557
Signature	Charles Brantley			Date	10/19/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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